

ニ於テハ各亞屬ニ之ヲ認ム (例、*P. piloselloides*, *P. tectum*, *P. nematorhizon*, *P. Blumei*, *P. myriocarpum*)。然レドモコノ組織ハ不安定ニシテ同一ノ根莖ニ於テモアル分柱ニアレドモ他ニ之ヲ缺クガ如キ (例、*P. monstrosum*)、或ハ分柱ノ全面ナラズシテ一側ノミニ存スルガ如キ (例、*P. Billardieri*, *P. incospicum*, *P. rigescens*) 場合アリ。元來分柱ヲ包ム基本組織ノ最内層ハ多少肥厚スル膜ヲ有シ、殊ニソノ内面膜ニ於テ著シク、且同時ニ着色スル性アルヲ以テ、コノ型ニハ各種ノ中間型ヲ認ムベシ。

(三) 根莖ノ周邊近クニ存在スル場合アリ、自ラ黒褐色ノ輪ヲナスモノナリ (同圖 b)。*Polypodium* 屬ニ於テハ比較的稀ニ見ラル、所トス (例、*P. pseudogrammitis*, *P. sarmentosum* *P. typicum*)。 (未了)

Studia Monocotyledonearum Japonicarum (V)

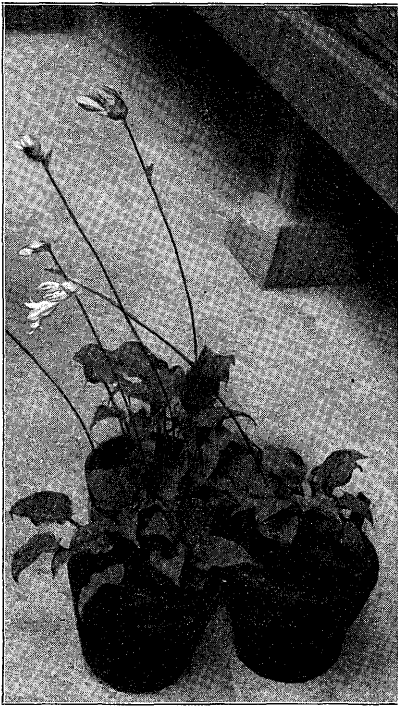
auctore

Fumio MAEKAWA.

前川文夫：日本産單子葉植物考察 (其五)

13) *Hosta Nakaiana* F. MAEKAWA sp. nov. (*Aleyone*)

Rhizoma crassum erecto-ascendens ca. 8-10 mm. latum, nodis crassis cum reliquis petiolorum emortuorum setosis multis ca. 10 mm. longis erecto-patentibus annulari obtectis. Folia erecto-patentia ca. 10-12 cm. alta; petiolus 9-10 cm. longus 3-3.2 mm. latus anguste alatus profunde canaliculatus prope basin purpureo-punctatus; lamina oblongo-ovata apice recurvata acuminata basi cordatim-truncata, limbis basalibus subinvolutis 6.2-7.5 cm. longa 2.8-4.5 cm. lata nervis utrinque 5-7, margine repandula supra viridis subtus pallida textu membranaceo-chartacea. Scapus folia alte superans 35-45 cm. altus erectus saepe curvatus 2.2 mm. latus distincte carinato-angulatus basi obscure purpurascens apice vel infra apicem ca. 1-6.5 cm. distante unibracteatus, bracteâ ovato-oblongâ naviculare acuminatâ recurvataque viride ca. 2 cm. longâ. Inflorescentia unica capitata. Bracteae imbricatae elliptico-orbiculares vel ellipticae 14-17 mm. longae 6-10 mm., latae valde naviculares acutae vel obtuso-

Fig. 13. *Hosta Nakaiana*Fig. 14. *Hosta Nakaiana*

cuspidatæ et involutæ lucidæ albescentes et purpureo-tinctæ sub anthesi persistentes. Pedicelli 5 mm. longi dilute purpurascentes erecto-patentes. Perianthium horizontali-patens vel subdeclinatum colore "lilac" lucidusculum 4.6-5.2 cm. longum 3-3.2 cm. latum; tubus angustus 18-21 mm. longus albescens subhexagonalis; limbus præter lobos 16 mm. longus 19-21 mm. latus campanulato-urceolatus in tubum subito contractus, lobis erectis vel apice tantum recurvatis, exterioribus ovato-ellipticis 15 mm. longis 9-10 mm. latis acutis limbo subæquilongis basi paulum canaliculato-inflatis, interioribus rhombeo-ovatis late cuneatis obtusiusculis.

Stamina exerta apice subito ascendentia antheris albis ellipticis 3-3.2 mm. longis. Stylus staminibus longior 5.8 cm. longus. Ovarium 5 mm. longum.

Nom. Jap. *Kanzashi-Gibôshi* (nom. nov.)

Hab. Korea, Zennan: Mt. Hakuunsan. (T. NAKAI, legit et rettulit in Aug.

1934 floruerunt in Jul. 1935) (Typus in Herb. Imp. Univ. Tokyo.)—
Keinan : Mt. Chiisan (R. K. SMITH, Aug. 1934).

This is one of the most attractive and characteristic species. Large lilac flowers make a head biset by closely imbricated purplish bracts. Scapes are angulated distinctly and markedly exceed the clump of leaves, which suggest us the affinity of this species to *Hosta venusta*. It is my pleasure to name this handsome *Hosta* after the family name of Prof. T. NAKAI, who collected it in Corea, and made me to study it.

14) ***Hosta kiyosumiensis*** F. MAEKAWA sp. nov. (*Aleyone*)

Rhizoma crassum fibris petioli emortui persistentibus. Folia erecto-patula 10–15 cm. alta; petioli sectione lunato-trigoni late canaliculati 6–8 cm. longi 3.8–6.5 mm. lati margine anguste alati integri nunquam repanduli versus basin obscuriter purpureo-punctati; lamina ovata vel elliptico-ovata petiolo longior 8.6–11 cm. longa 4.4–6.8 cm. lata recurvatim subcaudato-acuminata margine repanda sub lente erosodenticulata basi truncatim abrupte contracta limbis



Fig. 15. *Hosta kiyosumiensis*

basalibus involutis inter sese sæpe coadnatis supra luteo-viridis opaca subtus
lucidula textu herbaceo-chartacea nervis utrinque 5–6 supra impressis infra

elevatis strigillosis.

Scapus folia alte superans ca. 28–36 cm. altus teres basi purpureo-punctatus 2.6–2.8 mm. latus inferne unibracteatus bracteâ basi vaginatâ sæpe foliaceâ 4–9 mm. longâ. Racemus secundus oliganthus ca. 4–5-florus, bracteis eis *H. lancifoliae* simulantibus, 1.5–2.5 cm. longis 4–6 mm. latis ovato-lanceolatis navicularibus viridissimis lucidis primo imbricatis margine valde convolutis sub anthesi persistentibus. Flores erecto-patentes albi, pedicello curvato 10–12 mm. longo 1.5–1.8 mm. lato bracteâ brevior; corolla 5.2 cm. longa 2.6 cm. lata tubuloso-campanulata sursum sensim dilatata extus lucidula textu crassa; tubus angustus 1.6–2.2 cm. longus superne paulum angustatus; limbus 16–18 mm. longus 16 mm. latus, lobis erecto-patulis paulo recurvatis oblongo-ovatis 16 mm. longis 8.5 mm. latis integris apice viride tinetis, interioribus deltoideo-ovatis latioribus margine late translucentim membranaceis crispulis. Stamina 5.5 cm. longa corollâ subæquilonga, antheris dilute sordide purpureis 3.8 mm. longis. Styli stamina superantes 6.7 cm. alti. Ovarium 8.5 mm. longum.

Nom. Jap. *Kiyosumi-Gibôshi* (nom. nov.)

Hab. Hondo: prov. Awa, Mt. Kiyosumi (T. NAKAI) (Typus in Herb. Imp. Univ. Tokyo).

The leaves of this species are similar to those of *Hosta Fortunei* group, while the bracts have the same characters with those of *Hosta lancifolia*.

15) ***Cephalanthera subaphylla*** MIYABE et KUDO in Journ. Facult. Agricult. Hokkaido Imp. Univ. Sapporo, XXVI-3: 373 (1932).

Nom. Jap. *Yûshun-ran* (MIYABE et KUDO, 1932).

Hab. Hondo-centralis: prov. Musashi, Mt. Takao (M. KISHIDA, Apr. 27, 1930)—prov. Kai, prope lacum Kawaguchi (K. HIYAMA, Jun. 3, 1935).

This orchid was considered to be an endemic in Hokkaido, but recently ascertained of its presence in Mid-Honshû.

16) ***Neottia Nidus-avis*** L. C. RICHARD var. ***manshurica*** KOMAROV in Acta Horti Petropolitani XX: 528 (Fl. Manshuriae I) (1901).

Syn. *Neottia Nidus-avis* (non L. C. RICHARD) MAKINO in Bot. Mag. Tokyo,

XVI : 176 (1902)-SCHLECHTER, Orchideolog. Sino-Jap. Prodr. : 140 (1919)-MIYABE et KUDO in Journ. Facult. Agr. Hokkaido Imp. Univ. Sapporo, XX-VI-3 : 369 (1932).

Neottia papilligera SCHLECHTER in FEDDE, Repert. Spec. Nov. Regn. Veget. XVI : 356 (1920) *syn. nov.*

Neottia kamtschatica (non SPRENGEL) KAWAKAMI in Bot. Mag. Tokyo, XIII : (266) (1899)-MAKINO in lc. XIV : (184) (1900).

Nom. Jap. *Sakane-ran* (MIYABE ex KAWAKAMI, 1899).

Hab. Hondo : prov. Shimotsuke, Nikko (G. KOIDZUMI, Maio 22, 1912)-prov. Shinano, Komoro (Y. YAZAWA)-prov. Kai, Mt. Mitsu-tôge (F. MAEKAWA, Jun. 6, 1935).

SCHLECHTER emphasized the existence of papillate hairs on the racemes and ovaries, the shortness of hypophyll and the length of segments of labelum for the Japanese *Neottia*. However, the latter two characteristics are the subjects also of the European plants, and if the papillated hairs are excluded, our Japanese species can not be distinguished anyway from the European.

13) **かんざしぎぼうし** (新種) 朝鮮全羅南道白雲山デ中井先生ガ昨年発見サレタ珍種デアル。生品ヲ東京ニ携ヘ歸ラレテ栽培開花シタノガ本年七月上旬デアツタ。割合ニ小形デ葉ハ高サ 10 cm. 位、花莖ガ高く挺出シ頂ニ十花位ヲ殆ンド頭狀ニツケル點デ異常ノ外觀ヲ呈スル。花ハライラツク色比較的大キク 5 cm. 内外ノ長サガアル。開花前ニハ白紫色ノ苞ガ多數重ツタ上ヲ更ニ一枚廣大ノ苞ガコレヲ裹ミ、長イ花莖ノ先ニツイテユラユラシテ居ルノハのびるヲ想ハセル。花莖ニハ顯著ナ縦稜數條ガ走り、葉質ト共ニ先ニ述べタをとめぎぼうしノ近縁デアルコトヲ示シテ居ル。學名ハ **Hosta Nakaiana** F. MAEKAWA.

14) **きよすみぎぼうし** (新種) 房州清澄山ノ産、小石川植物園デ開花シタ。葉ハ卵形又ハ廣橢圓狀卵形デ長サ 10 cm. 内外幅 5 cm. ヲ出入シ、おぼぎぼうしヲ小形ニシタ感ガアル。七月ニ花莖ヲ斜上シテ數花ヲ開クガ、花ハ白ク長サ 5 cm. 花冠筒部及舷部ハ細ク次第ニ擴ガリ裂片ハ僅カニ反捲スル。莖ハこばぎぼうし狀、即チ卵狀披針形デ強ク内ヘ凹ミ、花時ニモナホ綠色デアル。

15) **ゆうしゆらん** (祐舜蘭) ハ北海道ノ特産トサレテ居タガ遙カニ南方ノ本州中部ノ山地ニモ生ズルコトヲ知ツタ。即チ岸田松若氏、武州高尾山ニコレヲ見出シ、檜山庫三氏ハ岳麓河口湖畔ニコレヲ獲タ。

16) さかねらんノ學名、歐洲產ノ夫レト同一種ト見ラレテ居タガ邦產ハ花軸花梗、及子房＝腺狀ノ捲縮毛ヲ密生スル＝反シ彼ノ地ノモノハ平滑カ又ハ僅カニ少量ヲ有スルノミデアル。コノ差異ト花部殊＝唇瓣ノ形狀ヲ捉エテ SCHLECHTER 氏ハ *Neottia hapilligera* SCHLECHTER トシタガ花部ノ形質ハ變異ガ多ク截然タル區別トナシ難イ。サウナルト腺毛ノ存在デアル產品ヲ歐洲產ノ變種 (*Neottia Nidus-Avis* L. C. RICHARD var. *manshurica* KOMAROV) トシタ KOMAROV 氏ノ見解＝從ヒコレヲさかねらんノ學名トスルノガイ、ト思ハレル。本州中部ノ山地ニハ各地ニ散生シテ居ル。(ツバク)

地衣體中ウスニン酸ノ檢出反應

朝 比 奈 泰 彦

Yasuhiko ASAHINA: Über den Nachweis der Usninsäure in den Flechten.

地衣ノ分類＝當リ地衣體ノ表面＝先ヅ「アルカリ」鹼液ヲ點ジ更ニ之ニ漂白粉溶液ヲ加フル＝著シク黃色ヲ呈スル反應ヲ利用スルコト屢々ナリ。之ヲ $K+CaCl$ ＋黃色ナル書式ヲ以テ略記ス。此ノ反應ヲ呈スル重ナル地衣ハ *Cladonia* 屬中ニアリテハ表面多少帶黃色ナル種類、*Parmelia* 屬ノモノニアリテハ *Xanthoparmelia* 節ノモノ、帶黃色ノ *Cetraria* 屬ノモノ、*Evermia*, *Alectoria* ノ若干種及 *Ramalina*, *Usnea* ノ殆ド全部ヲ包含ス。依テ此等地衣ノ含有成分ノ共通ナルモノヲ索メテ其ウスニン酸ナルコトヲ知レリ。依テ予ハ化學的純粹ノウスニン酸ノ微量ヲ白色磁皿＝取り之ニ一滴ノ苛性加里液 (10%) ヲ加フル＝淡黃色ノ溶液ヲ生ズ。コレニ漂白粉溶液 (又ハ固形物) ヲ加フル＝明ニ黃色ノ程度ヲ増加ス。此反應ヲ地衣體ニ應用スル＝當リテハ先ヅ地衣ノ表面ヲ拭ヒテ塵ヲ去リ之ニ一滴ノ苛性加里ヲ點ジ 2-3 秒ノ後濾紙ノ小片ヲ以テ液ヲ吸取セシムレバ通常僅微帶黃色ノ斑點ヲ生ズ之ニ漂白粉溶液ヲ注意シテ加フレバ明ニ黃色ヲ増加ス。

此ノ反應ノ除外例トモ見ルベキハ眞正ノはなごけ *Cladonia rangiferia* (L.) WEB. 及 *Cladonia lepidota* NYL. ノ二ツニシテ前者ハ WAINIO (Monogr. Clad. Univ., I., p. 12) ニ又後者ハ WAINIO (Monogr. Clad., Univ., II., p. 166. sub